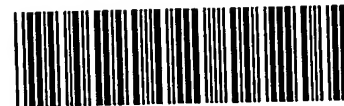


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**The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: 10/523,475
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DATE: 01/26/2006

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 4 CHONG, JAYHONG A.
 5 RAMSEY, IAN SCOTT
 6 CLAPHAM, DAVID E.
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 10 <130> FILE REFERENCE: 110313.139US2
 12 <140> CURRENT APPLICATION NUMBER: 10/523,475
 13 <141> CURRENT FILING DATE: 2005-02-04
 15 <150> PRIOR APPLICATION NUMBER: PCT/US03/024359
 16 <151> PRIOR FILING DATE: 2003-08-04
 18 <150> PRIOR APPLICATION NUMBER: 60/402,115
 19 <151> PRIOR FILING DATE: 2002-08-07
 21 <160> NUMBER OF SEQ ID NOS: 7
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 27 <212> TYPE: DNA
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66           35           40           45
68 Ser Arg Phe Phe Lys Ile Ile Met Ile Ser Thr Val Thr Ser Asn Ala
69           50           55           60
71 Phe Phe Met Ala Leu Trp Thr Ser Tyr Asp Ile Arg Tyr Arg Leu Phe
72 65           70           75           80
74 Arg Leu Leu Glu Phe Ser Glu Ile Phe Phe Val Ser Ile Cys Thr Ser
75           85           90           95
77 Glu Leu Ser Met Lys Val Tyr Val Asp Pro Ile Asn Tyr Trp Lys Asn
78           100          105          110
80 Gly Tyr Asn Leu Leu Asp Val Ile Ile Ile Ile Val Met Phe Leu Pro
81           115          120          125
83 Tyr Ala Leu Arg Gln Leu Met Gly Lys Gln Phe Thr Tyr Leu Tyr Ile
84           130          135          140
86 Ala Asp Gly Met Gln Ser Leu Arg Ile Leu Lys Leu Ile Gly Tyr Ser
87 145           150          155          160
89 Gln Gly Ile Arg Thr Leu Ile Thr Ala Val Gly Gln Thr Val Tyr Thr
90           165          170          175
92 Val Ala Ser Val Leu Leu Leu Leu Phe Leu Leu Met Tyr Ile Phe Ala
93           180          185          190
95 Ile Leu Gly Phe Cys Leu Phe Gly Ser Pro Asp Asn Gly Asp His Asp
96           195          200          205
98 Asn Trp Gly Asn Leu Ala Ala Ala Phe Phe Thr Leu Phe Ser Leu Ala
99           210          215          220
101 Thr Val Asp Gly Trp Thr Asp Leu Gln Lys Gln Leu Asp Asn Arg Glu
102 225           230          235          240
104 Phe Ala Leu Ser Arg Ala Phe Thr Ile Ile Phe Ile Leu Leu Ala Ser
105           245          250          255
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108           260          265          270
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111           275          280          285
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125 Phe Ser Thr Leu Asp Tyr Gln Asp Thr Thr Val His Lys Leu Gln Glu
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128 Leu Tyr Tyr Glu Ile Val His Val Leu Ser Leu Met Leu Glu Asp Leu
129           370          375          380

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137 <212> TYPE: DNA

138 <213> ORGANISM: Mus musculus

140 <400> SEQUENCE: 3

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143 gcttacttca ggaagggttat taagagcact ttcttccaga ttgtgatgat caccacgggc 180
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173 20 25 30
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176 35 40 45
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179 50 55 60
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182 65 70 75 80
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185 85 90 95
187 Cys Glu Leu Met Lys Val Tyr Val Asp Pro Ile Thr Tyr Trp Lys Asp
188 100 105 110
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191 115 120 125
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203      180      185
205 Ile Leu Gly Phe Cys Leu Phe Gly Val Thr Asp Arg Gly Asp Leu Glu
206      195      200      205
208 Asn Trp Gly Asn Leu Ala Ser Ala Phe Phe Thr Leu Phe Ser Leu Ala
209      210      215      220
211 Thr Val Asp Gly Trp Thr Asp Leu Gln Glu Glu Leu Asp Lys Arg Lys
212 225      230      235
214 Phe Thr Val Ser Arg Ala Phe Thr Ile Leu Phe Ile Leu Leu Ala Ser
215      245      250      255
217 Phe Ile Phe Leu Asn Met Phe Val Gly Val Met Ile Met His Thr Glu
218      260      265      270
220 Asp Ser Met Lys Lys Phe Glu Arg Asp Leu Thr Leu Glu Arg Asn Leu
221      275      280      285
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224      290      295      300
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227 305      310      315
229 Asp Met Val Glu Gly Phe Lys Lys Thr Leu Arg His Thr Asp Pro Met
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232 Val Leu Asp Asp Phe Ser Thr Ser Leu Ser Phe Ile Asp Ile Tyr Leu
233      340      345      350
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236      355      360      365
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